

ABSTRACT

A mounting arrangement for an optical component (14 to 18) in a planar lightwave circuit (PLC) includes:

- 5        - a substrate (10),
- an input optical fiber (12) associated with the substrate (10),
- an output optical waveguide (12) manufactured on the substrate (10), and
- 10        - an optical component, such as an optical isolator (14 to 18), mounted on the substrate (10) to transmit optical radiation from the input optical fiber (12) to the output optical waveguide (20).

The arrangement comprises one of:

- 15        - a length of optical waveguide (22) manufactured on the substrate (10) in the same planar layers of the output optical waveguide (20), said length optical waveguide (22) being interposed between the input optical fiber (12) and the optical component (14, 16, 20 18), whereby the optical component (14, 16, 18) is interposed between the length of optical waveguide (22) and the output optical waveguide (20), and
- a length of an optical fiber (24) associated to the substrate (10) between the optical component (14, 25 16, 18) and the output optical waveguide (20), whereby the optical component (14, 16, 18) is interposed between the input optical fiber (12) and the length of a further optical fiber (24).

(Figure 1)